

Title (en)  
ASSAYING METHOD FOR PRIMARY AMINES USING AROMATIC DIALDEHYDES

Publication  
**EP 0199432 A3 19870701 (EN)**

Application  
**EP 86301267 A 19860221**

Priority  
US 70767685 A 19850304

Abstract (en)  
[origin: EP0199432A2] A method for the fluorometric or electrochemical assaying of low levels of primary amines and more particularly, biogenic and endogenous amines such as catechol amines, amino acids, and peptides, by reacting a substituted or unsubstituted naphthalene-2-3-dicarboxyaldehyde with the non-fluorescing primary amine of interest in the presence of a cyanide ion under mildly alkaline conditions thereby to form an entity which is amenable to both fluorescent and electrochemical detection.

IPC 1-7  
**G01N 33/68**; **G01N 31/22**; **G01N 30/20**; **C07D 209/62**; **C07D 491/056**; **C07D 487/04**; **C07K 5/06**

IPC 8 full level  
**G01N 27/416** (2006.01); **C07D 209/62** (2006.01); **C07D 487/04** (2006.01); **C07D 491/056** (2006.01); **C07K 5/06** (2006.01); **G01N 21/76** (2006.01); **G01N 21/77** (2006.01); **G01N 27/26** (2006.01); **G01N 30/20** (2006.01); **G01N 31/22** (2006.01); **G01N 33/52** (2006.01); **G01N 33/68** (2006.01)

CPC (source: EP)  
**G01N 33/52** (2013.01); **G01N 33/6809** (2013.01)

Citation (search report)  
• DE 2102985 A1 19710902 - ROTH M  
• EP 0138092 A2 19850424 - SHIMADZU CORP [JP]  
• FR 2534029 A1 19840406 - MOLLA ABERRA [US]  
• [X] CHEMICAL ABSTRACTS, vol. 101, no. 3, July 16, 1984, Columbus, Ohio, USA MIURA et al. "A fluorometric method for the specific determination of serum arginine with 2,3-naphtalenedicarbaldehyde" page 313, columns 1,2, abstract no. 20 064f

Cited by  
KR101879061B1; EP0242245A3; CN114235988A; DE4106984A1; EP0508106A3; FR2934373A1; EP0237434A3; KR20180060103A; GB2465540A; GB2465540B; EP3522713A4; US11530352B2; WO2008094043A3; WO9215384A1; US8323979B2

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0199432 A2 19861029**; **EP 0199432 A3 19870701**; **EP 0199432 B1 19910529**; AT E64012 T1 19910615; AU 5432886 A 19860911; AU 583598 B2 19890504; CA 1293590 C 19911224; DE 199432 T1 19870903; DE 3679441 D1 19910704; ES 552592 A0 19870516; ES 8705974 A1 19870516; JP S61274264 A 19861204; NZ 215336 A 19881028

DOCDB simple family (application)  
**EP 86301267 A 19860221**; AT 86301267 T 19860221; AU 5432886 A 19860303; CA 503252 A 19860304; DE 3679441 T 19860221; DE 86301267 T 19860221; ES 552592 A 19860303; JP 4431486 A 19860303; NZ 21533686 A 19860303